

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Amend claims 1, 5, 6, 12, 13, and 20 as follows:

Listing of Claims:

- 1 1. **(Currently amended)** An apparatus comprising:
2 a capacitor having a body and a pair of terminals attached to the
3 body, wherein the body defines an outer surface of the apparatus; and
4 a conductor printed on the body outer surface and connecting the
5 terminals, the conductor having an inductance (L) defining with a
6 capacitance (C) of the capacitor a parallel LC circuit.

- 1 2. **(Previously presented)** The apparatus of claim 19 wherein:
2 the conductor is plated on the body.

- 1 3. **(Previously presented)** The apparatus of claim 19 wherein:
2 the conductor is printed on the body.

- 1 4. **(Original)** The apparatus of claim 1 wherein:
2 the conductor has a width defining the inductance such that the
3 inductance is varied by varying the width of the conductor.

- 1 5. **(Currently amended)** The apparatus of claim 1 ~~forming~~
2 providing a notch filter.

- 1 6. **(Currently amended)** ~~The apparatus of claim 5 wherein:~~An
2 apparatus comprising:
3 a capacitor having a body and a pair of terminals attached to the
4 body; and
5 a conductor defined on the body and connecting the terminals, the

6 conductor having an inductance (L) defining with a capacitance (C) of the
7 capacitor a parallel LC circuit, wherein
8 the capacitor has a self-resonant frequency greater than or equal to
9 a notch center frequency of the notch filter.

1 7. **(Previously presented)** A notch filter having a notch center
2 frequency, comprising:
3 a capacitor having a body and a pair of terminals attached to the
4 body, the capacitor having a self-resonant frequency equal to or greater
5 than the notch center frequency; and
6 a conductive trace extending along the body and connecting the
7 terminals, the trace having an inductance.

1 8. **(Original)** The notch filter of claim 7 wherein:
2 the trace is defined on the body.

1 9. **(Original)** The notch filter of claim 8 wherein:
2 the trace is plated on the body.

1 10. **(Original)** The notch filter of claim 8 wherein:
2 the trace is printed on the body.

1 11. **(Original)** The notch filter of claim 7 wherein:
2 the trace has a width defining the inductance such that the
3 inductance is varied by varying the width of the trace.

1 12. **(Currently amended)** The notch filter of claim 7 for connecting
2 between two discrete segments of a signal conductor defined by a printed
3 circuit board that also defines a ground plane, wherein:
4 a product of capacitance and inductance of a virtual conductive

5 loop ~~formed~~provided by the notch filter and the ground plane equals the
6 notch center frequency.

1 **13. (Currently amended)** A printed circuit board (PCB)
2 comprising:
3 a signal conductor comprising a pair of discrete conductor
4 segments defined by the PCB;
5 a ground plane defined by the PCB;
6 a capacitor having a body and a pair of terminals on the body that
7 connect the capacitor between the segments;
8 a conductor defined on the body and connecting the pair of
9 terminals and having an inductance, the conductor ~~forming~~providing with
10 the capacitor a notch filter for the signal conductor such that a product of
11 capacitance and inductance of a virtual conductive loop ~~formed~~provided
12 by the notch filter and the ground plane equals a center frequency of a
13 notch of the notch filter.

1 **14. (Previously presented)** The PCB of claim 13 wherein:
2 the capacitor has a self-resonant frequency equal to or greater than
3 the center frequency of the notch filter.

1 **15. (Original)** The PCB of claim 13 wherein:
2 the conductor is plated on the body.

1 **16. (Original)** The PCB of claim 13 wherein:
2 the conductor is printed on the body.

1 **17. (Original)** The PCB of claim 13 wherein:
2 the capacitor is a surface-mount capacitor.

1 18. **(Original)** The PCB of claim 13 wherein:
2 the conductor has a width defining the inductance of the conductor such
3 that the notch filter is tuned by varying the width of the conductor.

1 19. **(Previously presented)** An apparatus comprising:
2 a capacitor having a body and a pair of terminals attached to the
3 body; and
4 a conductor defined on the body and connecting the terminals, the
5 conductor having an inductance (L) defining with a capacitance (C) of the
6 capacitor a parallel LC circuit; wherein
7 the conductor has a width defining the inductance such that the
8 inductance is varied by varying the width of the conductor.

1 20. **(Currently amended)** The apparatus of claim 19 ~~forming~~
2 providing a notch filter.